ORGANIZING A COLLECTION OF OBJECTS

ABSTRACT

      Systems and methods of organizing a collection of objects are described. In one aspect, a sequence of objects is segmented into object clusters based on: comparisons of successive object intervals to weighted measures of cluster extent; and comparisons of successive object intervals to weighted measures of cluster object density. In another aspect, objects from the collection are segmented into clusters. Context-related meta data associated with the objects and parsable into multiple levels of a name hierarchy is extracted. Names are assigned to clusters based on the extracted context-related meta data corresponding to a level of the name hierarchy selected to distinguish segmented clusters from one another. In another aspect, a sequence of objects that are segmented into clusters is accessed. Each cluster includes multiple objects arranged in a respective sequence in accordance with context-related meta data associated with the objects. At least two constituent objects representative of beginning and ending instances in the corresponding object sequence are selected for each object cluster. The selected representative objects of each cluster are graphically presented on a screen.